## The Anatomy of Large-Scale Hypertextual Web Search Engine

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In this paper, I have tried to present the working of Web Search Engine specifically taking Google as an example, a prototype of a large-scale search engine after going through various studies and researches, and also the paper made by *Larry Page* and *Seige Brin*, the founder of **Google**, who proposed their paper in Stanford University back when they started Google, which makes heavy use of the structure present in hypertext. Google was designed to crawl and index the Web efficiently and produce much more satisfying search results than existing systems. The prototype with a full text and hyperlink database of at least 24 to hundreds of millions of web pages involving a comparable number of distinct terms. It can answer tens of millions of queries every day.

In this digital era, search engine is the main source of information be it anyone from any field. With the development of Internet, there’s a sea of unlimited information which consists of all types of texts, images, multimedia, and other forms of electronic information asset and resources. This paper elaborately describes that how tasks are performed by the search engines. An overview of the whole working of the Search Engine System. It also addresses the structure of retrieval system and to improve its performance through the new emerging technologies and techniques like SEO which indirectly helps in more efficient crawling and indexing.

**Keywords:** World Wide Web, Web searching, Search engines, Web Crawlers, Indexing, metadata.